

"6HF"

Parts List

(ILLUSTRATED)

MODELS

"6HF" - "6HFB"

TYPE NOS. 309710 TO 309900

●

NOTICE

**FILE IN SECTION 2 OF YOUR ENGINE
SERVICE MANUAL.**

**REMOVE AND DESTROY PRESENT
MODEL "6HF" PARTS LIST (Form MS-3379)
FROM SECTION 2 OF MANUAL.**

●

This book is for your service manual only and not for customer use.. Model "6HF" Operating and Maintenance Manuals--Form 27397--includes the same parts data for customer's use and are available at ten cents each.



PARTS SECTION



PLATE No. 23
Assemblies include all parts shown in frames.

[illegible]

PLATE No. 24
Assemblies include all parts shown in frames.

PARTS SECTION

NUMERICAL PARTS LIST

MASTER PART No.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
21110	Venturi—Carburetor	1	
21129	Body—Lower Carburetor	6	
21283	Ring—Piston, Compression, Top—Standard	1	
21376	Ring—Piston, Compression, Top—.010" O.S.	1	
21377	Ring—Piston, Compression, Top—.020" O.S.	1	
21378	Ring—Piston, Compression, Top—.030" O.S.	1	
21737	Elbow—Air Cleaner	6	
†22032	Washer—Needle Valve Packing	1	
22036	Valve—Throttle	1	
22050	Valve—Choke	1	
22062	Washer—Choke Lever	1	
22206	Shield—Cylinder	6	
22238	Washer—Cylinder Mounting	1	
22243	Washer—Cylinder Mounting	1	
22279	Brace—Air Cleaner Elbow	1	
*22353	Washer—Valve Cover	1	
22547	Screen—Fuel Filter	1	
22963	Washer—Cylinder Head	1	
†23114	Pin—Float Hinge	1	
23125	Pin—Throttle Stop	1	
23184	Retainer—Valve Spring	1	
23187	Pin—Valve Spring Retainer	1	
†23222	Nozzle—Carburetor	1	
†23227	Nut—Needle Valve Packing	1	
†23228	Valve—Carburetor Idle	1	
23230	Bushing—Throttle Shaft	1	
23270	Screw—Choke Lever	1	
23292	Bolt—Air Cleaner— $6\frac{5}{16}$ " long	2	
23386	Valve—Intake	2	
23443	Pin—Engine Base	1	
23444	Stud—Valve Cover	1	
23603	Valve—Exhaust	2	
23609	Nut—Fuel Shut-off Lever	1	
23849	Bushing—Control Lever	1	
23933	Lever—Fuel Shut-off	2	
26021	Spring—Intake Valve	1	
26026	Lock—Piston Pin	1	
†26157	Spring—Idle Valve and Throttle Adjustment	1	
26229	Spring—Choke Lever	1	
26330	Spring—Breather Retainer	1	
26478	Spring—Exhaust Valve	1	
26752	Link—Governor	1	
26760	Spring—Governor	1	
26792	Crankshaft (Use 26956)	3	
Note: No. 26751 Crankshaft		3	
Used on Type No. 309900			
27145	Packing—Fuel Shut-off Lever	1	
27323	Gasket—Breather Body	1	
*27355	Gasket—Intake Elbow Mounting	1	
*27391	Gasket—Engine Base	1	
27402	Gasket—Air Cleaner	1	
27423	Gasket—Air Cleaner Mounting	1	
*Note: No. 292252 Gasket Set		1	
Used on engines with plastic bowl air cleaner.			
29667	Breaker Assembly—Ignition	2	
29693	Plug—Spark—with Gasket	3	

†Included in Carburetor Overhaul Kit — Part No. 291691.

*Included in Gasket Set — Part No. 292253.

PARTS SECTION

MASTER PART No.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
29806	Gasket—Spark Plug		1
29835	Flywheel—Magneto	6	
29861	Condenser		2
38852	Washer—Armature and Breaker Point Mounting		1
53029	Connector—Oil Pipe		1
61703	Gear—Cam	1	8
61756	Ring—Piston, Compression, Center—Standard		1
61757	Ring—Piston, Oil—Standard		1
61760	Key—Flywheel		1
61768	Ring—Piston, Compression, Center—.010" O.S.		1
61769	Ring—Piston, Compression, Center—.020" O.S.		1
61770	Ring—Piston, Compression, Center—.030" O.S.		1
61771	Ring—Piston, Oil—.010" O.S.		1
61772	Ring—Piston, Oil—.020" O.S.		1
61773	Ring—Piston, Oil—.030" O.S.		1
61907	Stop—Throttle Lever		1
62377	Washer—Flywheel		1
62435	Cover—Dust		4
63785	Shaft—Cam		3
63788	Tappet—Valve		1
65434	Gasket—Filler Cap		1
65704	Plunger—Breaker Point		1
65968	Disc—Breather		1
66111	Connector—Fuel Pipe		1
*66114	Washer—Cylinder Mounting		1
66268	Seal—Oil		1
*67307	Gasket—Magneto Plate—.015" thick		1
*67527	Gasket—Valve Cover		1
*67597	Gasket—Magneto Plate—.005" thick		1
*67607	Gasket—Magneto Plate—.009" thick		1
68122	Plug—Cam Shaft		1
*68477	Gasket—Fuel Filter Bowl		1
68487	Bowl—Fuel Filter		2
†68857	Gasket—Carburetor Body		1
68877	Gasket—Fuel Inlet Valve Seat and Oil Hole Screw		1
†68887	Packing—Needle Valve		1
†68897	Gasket—Carburetor Venturi		1
*†68987	Gasket—Carburetor Mounting		1
69221	Cap—Fuel Tank		2
69932	Rope—Starter		6
89283	Piston Assembly—.010" O.S.		8
89285	Piston Assembly—.020" O.S.		8
89287	Piston Assembly—.030" O.S.		8
89289	Piston Assembly—Standard		8
89307	Valve—Oil Return		1
89346	Filter Assembly—Fuel		10
89347	Cover—Fuel Filter		3
89600	Seal—Oil		1
89677	Bushing—Magneto		3
	Includes: No. 89660 Seal—Oil		
89966	Muffler		8
90029	Screw—Machine, Round Head—4-36 x ¼"		1
90049	Screw—Machine, Rd. Hd.—No. 10-24 x ¾"		
90200	Screw—Machine, Fillister Head—8-32 x ½"		1
90291	Nut—Square—10-24		1
90306	Washer—Lock—5/16 x ½ x 1/16"		1
90367	Washer—Lock—No. 8 x ¾ x 1/32"		1

*Included in Gasket Set—Part No. 292253.

†Included in Carburetor Overhaul Kit—Part No. 291691.

PARTS SECTION

MASTER PART No.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
90369	Washer—Lock—No. 4 x $\frac{3}{64}$ x $\frac{1}{32}$ "	1	
90832	Washer—Lock— $\frac{1}{4}$ x $\frac{3}{32}$ x $\frac{5}{64}$ "	1	
90834	Screw—Base Mounting	1	
90847	Nut—Hexagon— $\frac{1}{4}$ -28	1	
90891	Screw—Cap, Hex. Hd.— $\frac{1}{4}$ -20 x $\frac{1}{2}$ "	1	
	Note: No. 91419 Screw—Cap, Hex. Hd.— $\frac{1}{4}$ -20x $\frac{5}{8}$ "	1	
	Used on type No. 309713.		
90916	Screw—Machine, Round Head— $\frac{1}{4}$ -20 x $\frac{1}{2}$ "	1	
91084	Plug—Pipe— $\frac{3}{8}$ "	1	
91195	Screw—Oil Filler	1	
91324	Washer— $\frac{1}{4}$ " Standard	1	
	Note: No. 62199 Washer—Control Lever.....	1	
	Used on type No. 309713.		
91410	Screw—Cap, Hexagon Head— $\frac{1}{4}$ -20 x $\frac{5}{8}$ "	1	
91708	Nut—Flywheel	1	
91711	Screw—Cylinder Head (1" long)	1	
91712	Screw—Cylinder Head (1 $\frac{1}{4}$ " long)	1	
91811	Locknut—Exhaust Elbow	2	
91812	Elbow—Exhaust	3	
91920	Screw—Machine, Fillister Head—8-32 x $\frac{5}{8}$ "	1	
92067	Nut—Wing	1	
92089	Screw—Machine, Fillister Head— $\frac{1}{4}$ -20 x $\frac{3}{4}$ "	1	
92125	Screw—Cap, Hexagon Head— $\frac{1}{4}$ -20 x $\frac{1}{2}$ "	1	
92208	Screw—Connecting Rod	1	
92227	Washer—Lock—Shakeproof No. 1120	1	
92235	Screw—Base Mounting	1	
92427	Connector—Fuel Pipe	1	
92687	Nipple—Oil Filler	3	
92690	Screw—Oil Sump Mounting	1	
92701	Screw—Magneto Mounting Sem	1	
92702	Screw—Condenser Mounting Sem	1	
92703	Screw—Dust Cover Mounting Sem	1	
92708	Screw—Armature Mounting Sem	1	
92709	Screw—Breaker Mounting Sem		
99288	Cable—Ignition	2	
99622	Float—Carburetor	3	
99634	Body—Upper Carburetor	4	
†99636	Valve and Seat—Fuel Inlet	1	
99665	Yoke—Fuel Filter	2	
99700	Shaft and Lever—Choke	2	
210016	Elbow—Intake	6	
210028	Body—Breather	1	
220020	Lock—Connecting Rod Screw	1	
220089	Bracket—Fuel Tank (Right Hand)	6	
	Note: No. 291971 Base & Bracket Assembly.....	1	
	Used on Type Nos. 309825, 309900.		
220106	Cover—Cylinder Head	1	
220147	Bracket—Fuel Tank (Left Hand)	6	
	Note: No. 291971 Base & Bracket Assembly.....	1	
	Used on Type Nos. 309825, 309900.		
220152	Clip—Control Casing	1	
220154	Lever—Governor Control	2	
220221	Shield—Carburetor	2	
220228	Cover—Valve	6	
	(Used on engines with breather in valve chamber after serial No. 51622)		
	Note: No. 220120 Cover—Valve	6	
	(Used on engines with outside breather No. 291603 before serial No. 51623)		
220220	Cover—Breather	1	
220247	Plate—Oil Baffle	1	

†Included in Carburetor Overhaul Kit — Part No. 291691.

PARTS SECTION

MASTER PART No.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
†230005	Valve—Needle		1
230048	Elbow—Breather		3
290290	Ring Set—Standard Piston		3
290291	Ring Set—.010" O.S. Piston		3
290292	Ring Set—.030" O.S. Piston		3
290596	Ring Set—.020" O.S. Piston		3
290980	Pin Assembly—Piston—Standard		2
290981	Pin Assembly—Piston—.005" O.S.		2
291286	Tank Assembly—Fuel	3	
*291301	Gasket—Cylinder Head		1
	*Note: No. 67537 Gasket—Cylinder Head ($\frac{1}{16}$ " thick).....		1
	Used with cylinder heads having seven fins.		
291379	Head Assembly—Cylinder	1	8
291603	Breather (Used on engines before Serial No. 51623).....		5
291617	Armature—Magneto	1	2
291691	Carburetor Overhaul Kit		6
291777	Pump Assembly—Oil		8
291778	Cap Assembly—Oil Filler		3
291780	Pipe—Oil		3
291781	Housing—Blower		14
291801	Carburetor Assembly	1	
291803	Shaft and Lever Assembly—Throttle		1
291805	Strap—Fuel Tank		4
291806	Pipe—Fuel—12 $\frac{1}{8}$ " long		3
291813	Magneto Assembly	6	
291814	Plate—Magneto	2	
291815	Rod Assembly—Connecting		10
291818	Blade—Governor		6
291821	Cylinder Assembly	14	
	Note: No. 291908 Cylinder Assembly	14	
	Used on Type No. 309825.		
	No. 291910 Cylinder Assembly	14	
	Used on Type No. 309900		
291832	Seal—Oil		1
291838	Cleaner Assembly—Air	1	
291841	Seal—Oil		1
292009	Sump—Oil	4	
	Note: No. 291909 Sump—Oil	4	4
	Used on Engines Before Serial No. 150		
292011	Bushing—Cylinder		3
	Note: No. 291831 Bearing—Ball.....		6
	Used on Type No. 309900		
292013	Body Assembly—Upper Carburetor.....		4
292024	Base—Engine	1	
	Note: No. 291971 Base Assembly—Engine	1	8
	Used on Type Nos. 309825, 309900.		
292253	Gasket Set		4
292590	Control—Throttle		6
292681	Valve Assembly—Idle		1
292692	Breather Assembly		2
293096	Bushing—Oil Sump		3
293138	Starter Pulley with Screen		10

†Included in Carburetor Overhaul Kit—Part No. 291691.

*Included in Gasket Set—Part No. 292253.

